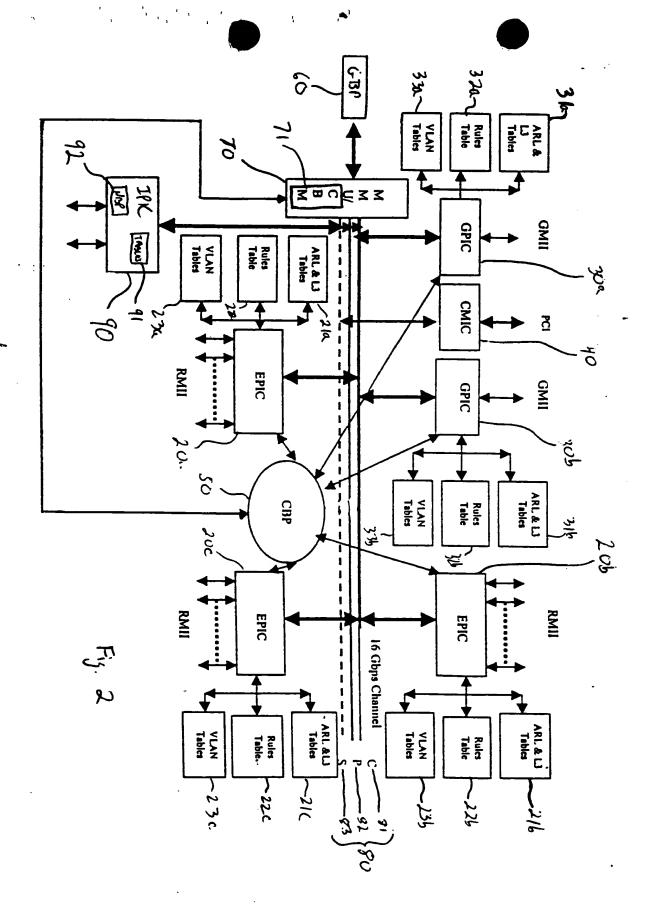


Ookerage Ostroo



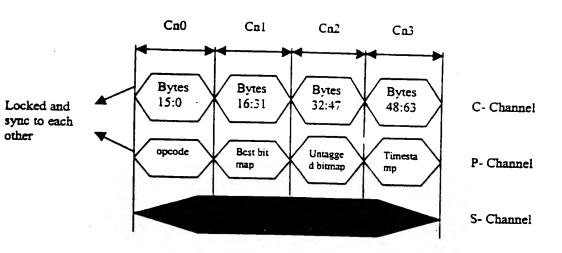
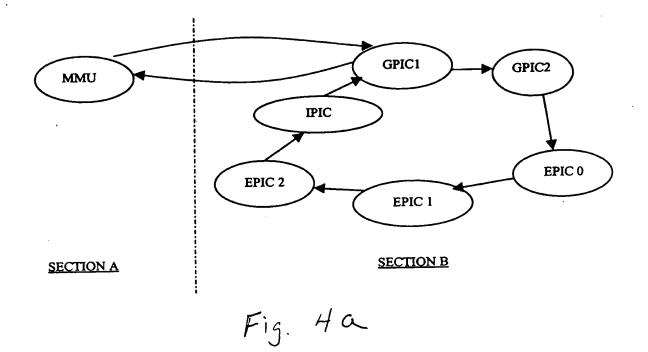
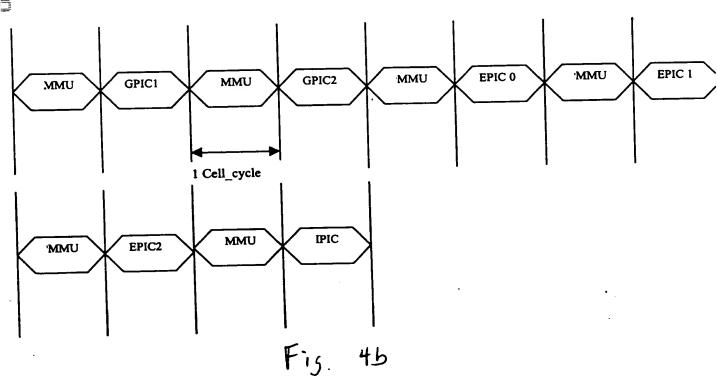


Fig. 3





Protocol Channel Messages

30	28	26	24	22	20	18	16	14	Ī	12	2	10	8		6	4	2	0
Opc	Iр	Rese	Nxt		Dest	Port	Co	s	J	S	E	Cr	P	0			Len	
ode	IPX	rved	cell									С			l			
																		
62	60	58	56	54	52	50	48	46	5	44		42	40	3	8	36	34	32
						Mo	dule I	d B	itr	nap								
•									_									
30	28	26	24	22	20	18	16	14		12	$oxedsymbol{\perp}$	10	8	6		4	2	0
R						В	c/Mc	Port	bi	tma	p							
62	60	58	56_	54	52	50	48	46	_	44		42	40		8	36_	34_	32
PF			N	ew IP	checks	ım				M	ì	MT-M	odId	T	1	GID	Mod	
M_													·	_Ļ	L		opco	ie
20	20	26	24	22	20	18	16	14	_	12	-Т	10	8	6		4	2	0
30 U	28	26	24			ortbit			D		1,,				•			
				Onta	gged i	Orton	шар /	Sic	<u> </u>	OI L	.vu	moci	Corre	<i></i>		-		
																-		
62	60	58	56	54	52	50	48	46	,	44	ı	42	40	T 3	8	36	34	32
	vd		ched		1		n Id				_		rc P	ort		Rei	note]	Port
1			lter															
L				L.—								<u> </u>				<u> </u>		
30	28	26	24	22	20	18	16	14	_	12	Т	10	8	6		4	2	0
			CP	U Opc	odes								Ti	meS	Sta	mp		
62	60	58	56	54	52	50	48	40	5	4	1	42	40	3	8	36	34	32
R							L3 Po	rt B	it	map								

F15. 5

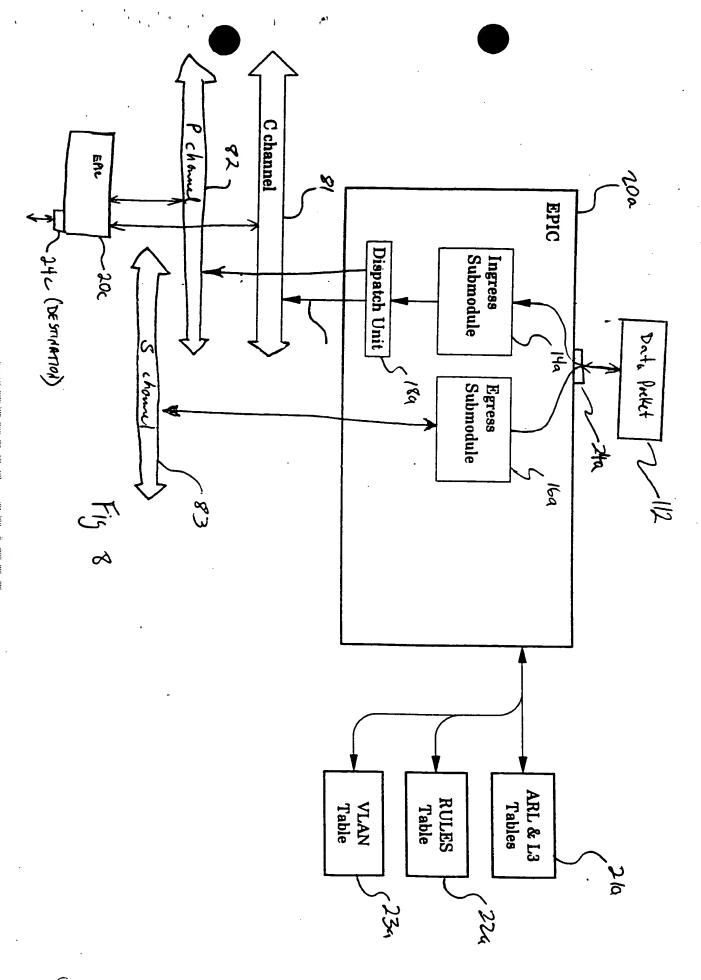
Side Band Channel Messages

30 28 26	24 22 20	18 16 14	12 10	8 6	4	2 0
Opcode	Dest Port / Destination Dev Id	Src Port	DataL	Len H	EC ode	Cos C
	-	Address				
		Data				

Fig. 6.

Loyer Seven-Application Loyer Six Presentation Layer five-Session Loyer four-Transport Layer three-Network Layer two-Duta link Layer one-Physical

Figure 7 Prox Art



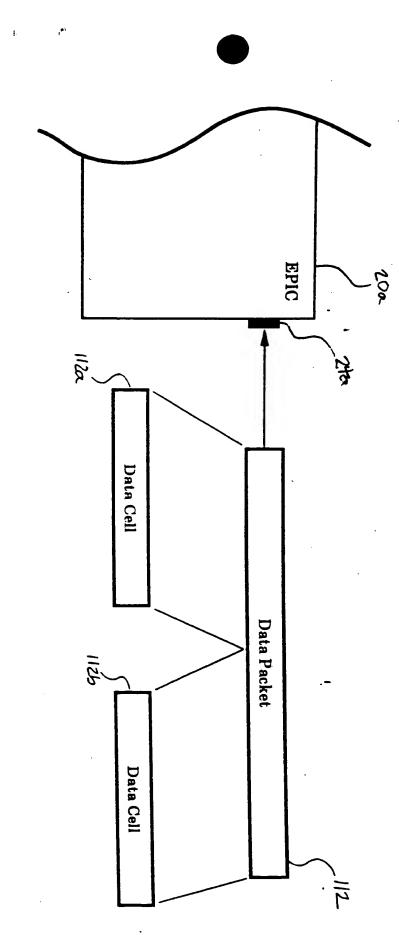
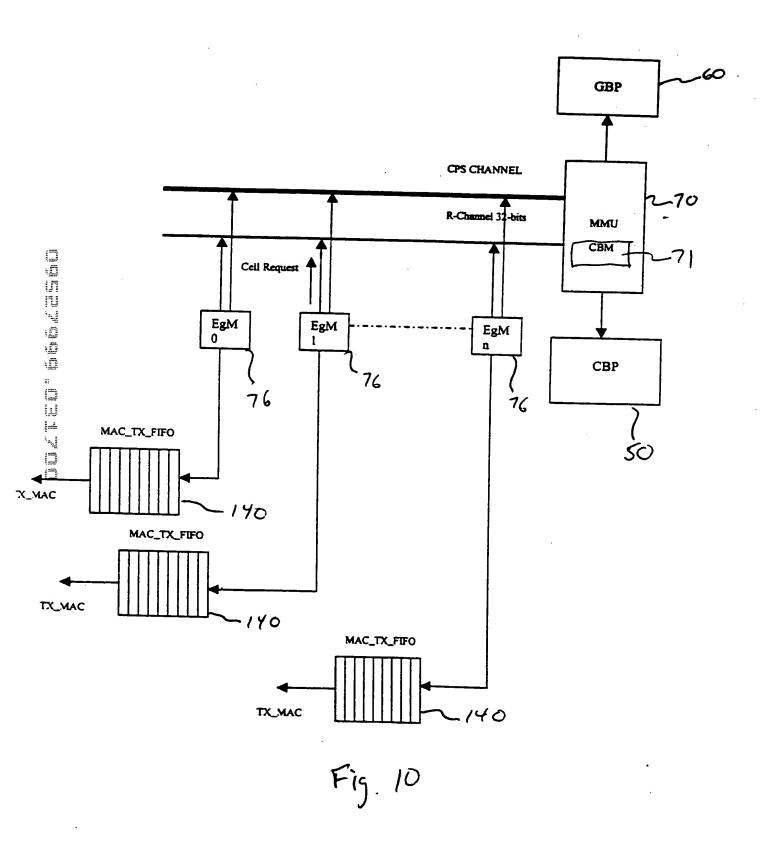


Fig. "



Line 0	FC LC BC/MC Cpy_cnt(5b) Cell_length (7b) CRC (2b) NC_header (16b) Src Count(6) IPX IP Time_Stamp (14b) O bits(2b) P NextCellLen(2b) CpuOpcode(4b) Cell_data (0-9B)
Line 1——	Cell_data (10-27) Bytes
Line 2	Cell_data (28-45) Bytes
	Cell_data (46-63) Bytes

Fig. 11

Fig. 12

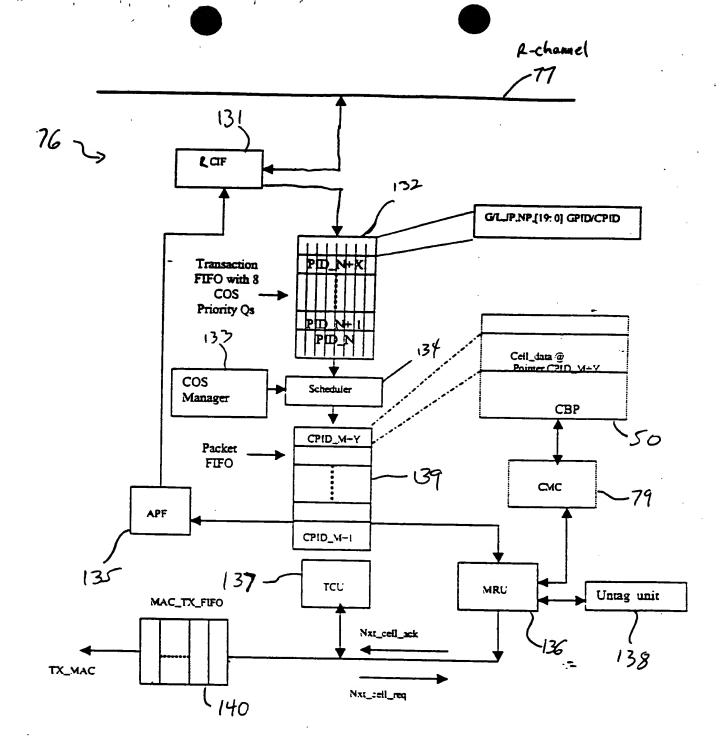
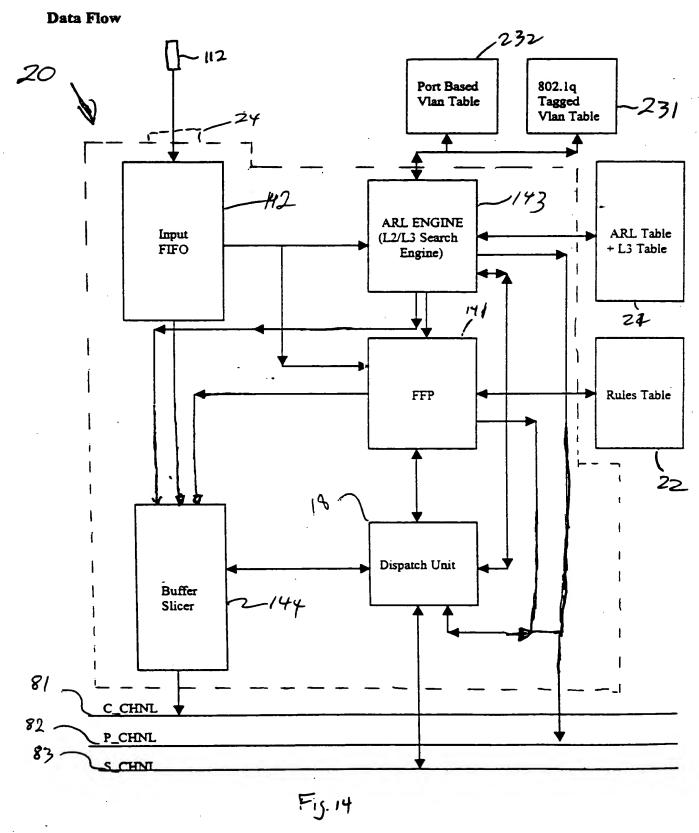
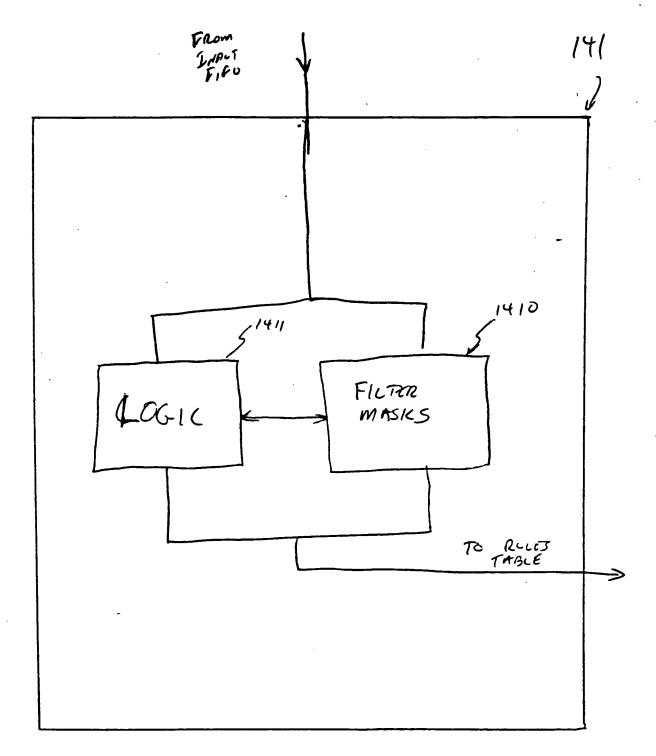


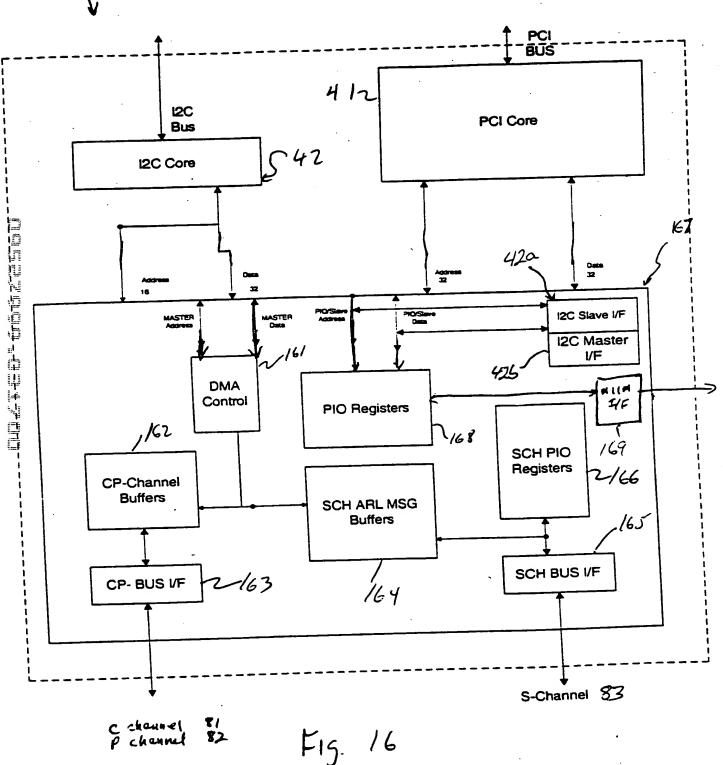
Fig 13





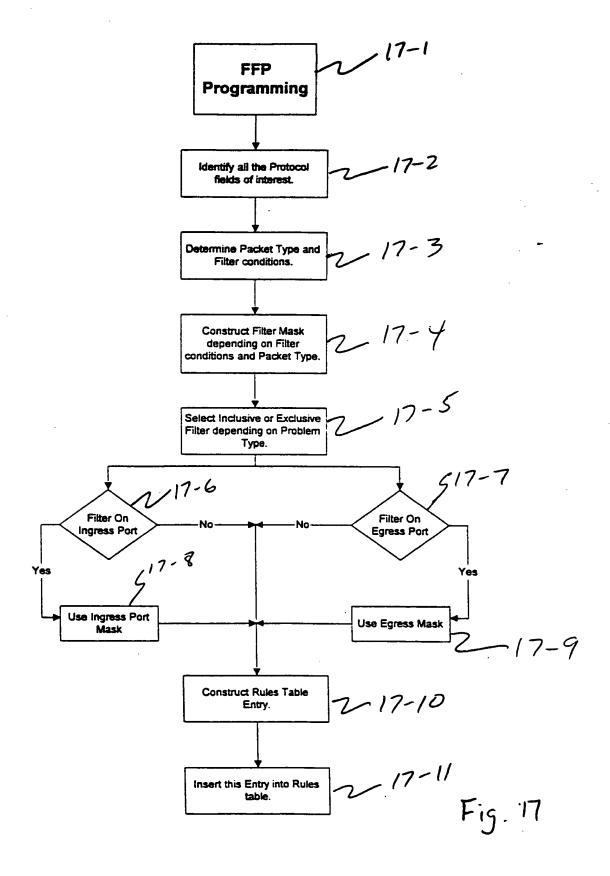
F16. 15

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FFP Programming Flow Chart



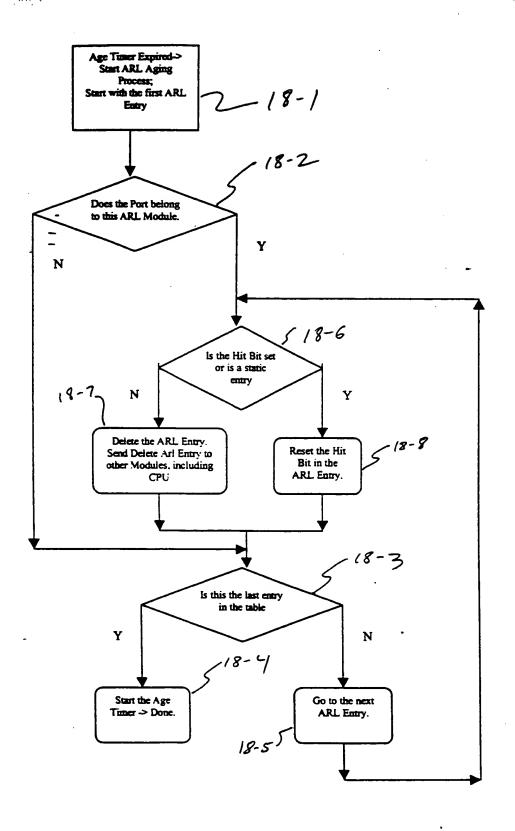


Fig. 18

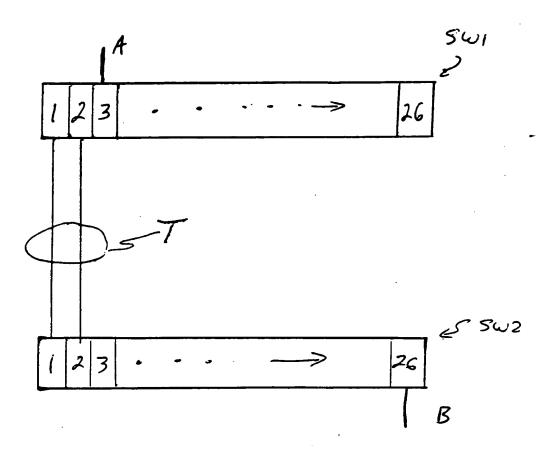


Fig. 19

Field	Header	Size	Offset For	Offset For	Offset For	Offset For
			Ethernet II Untagged	Ethernet II Tagged	SNAP Untagged	SNAP Tagged
Destination Mac Address	Mac	6 Bytes	0	0	0	0
Source Mac Address	Mac	6 Bytes	6	6	6	6
Protocol Type	Mac	2 Bytes	12	16	20	24
Destination SAP	802.3	1 Byte	NA	NA	14	18
Source SAP	802.3	1 Byte	NA	NA	15	19
802.1p Priority	Mac	3 bits	NA	14	NA	14
VLAN Id	Mac	12 bits	NA	14+ 4b	NA	14+4b
TOS Precedence	IP	3 bits	15	19	23	27
Differentiated Services	IP	6 bits	15	19	23	27
Source IP Address	IP	4 Bytes	26	30	34	38
Destination IP Address	IP	4 Bytes	30	34	38	42
Protocol	IP	1 Byte	23	27	31	35
Source Port	TCP/	2 Bytes	34	38	42	46
Source Port	UDP	2 Bytes				
Destination Port	TCP/	2 Bytes	36	40	44	48
TCP Control Flags	UDP TCP	1 Byte	47	51	55	59
(For aligning on Byte boundary 2 bits of reserved bits preceding this field is included)						
Data at Offset 1	NA	8 Bytes	Data	Data	Data	Data
Data at Offset 1	1177	0 25,000	Offset1	Offset1	Offset1	Offset1
			From	From	From	From
			start of	start of	start of	start of
			IP / IPX	IP/IPX	IP/IPX	IP / IPX
	1		Header	Header	Header	<u>Header</u>
Data at Offset 2	NA	8 Bytes	Data	Data	Data	Data
Data at Offset 2			Offset2	Offset2	Offset2	Offset2
		1	From	From	From	From
			start of	start of	start of	start of
			IP / IPX	IP/IPX	IP/IPX	IP / IPX
			Header	Header	Header	Header
Data at Offset 3	NA	8 Bytes	Data	Data	Data	Data
			Offset3	Offset3	Offset3	Offset3
			From	From	From	From
			start of	start of	start of	start of
	Ì		IP / IPX	IP/IPX	IP/IPX	IP / IPX
			Header	Header	Header	Header
Data at Offset 4	NA	8 Bytes	Data	Data	Data	Data
			Offset4	Offset4	Offset4	Offset4
			From	From	From	From
			start of	start of	start of	start of
			IP /IPX	IP / IPX	IP/IPX	IP / IPX
1		i	Header	Header	Header	Header

FIGURE 20

Fy 21a F

Filter Mask Format:

Filter Enable (1b)	Counter (5b)	Rem Port	Output Mod	Output	TOS I			f Serv 6b)	80	2.1 p Prior (3b)		
NMA Enb (1b)	No Match Action (10b)	(1b) Data Offset 4 (7b)	(5b)	(6b) Data Offset 2 (7b)	Data Offset 1 (7b)	Po Ma	ress ort ask (b)	Egre Mod Mas (5b)	Id k	Egress Port Mask (6b)		
	Field Mask											

Field Mask Format:

											-		T	1
Dest Mac addr	1	Prot type (2 B)	Dest SAP (1 B)	Src SAP (1 B)	802.1 p Prio	Vlan Id (12b	TOS Prec (3b)	Diff Serv (6b)	Src IP addr (4B)	Dest IP addr (4 B)	Prot IP- (1B)	Src Port (2B)	Dest Port (2B)	
(6 B)	(6 B)	1	i		(3 b)		L		(4B)	(4 D)	L		L	J

TCP Cntr Flags Data 1 Data 2 Data 3 Data 4 (1B) (8B) (8B) (8B)					
	TCP Cntr Flags	Data 1	Data 2	Data 3	Data 4
	(1B)	(8B)	(8 B)	(8B)	(8B)

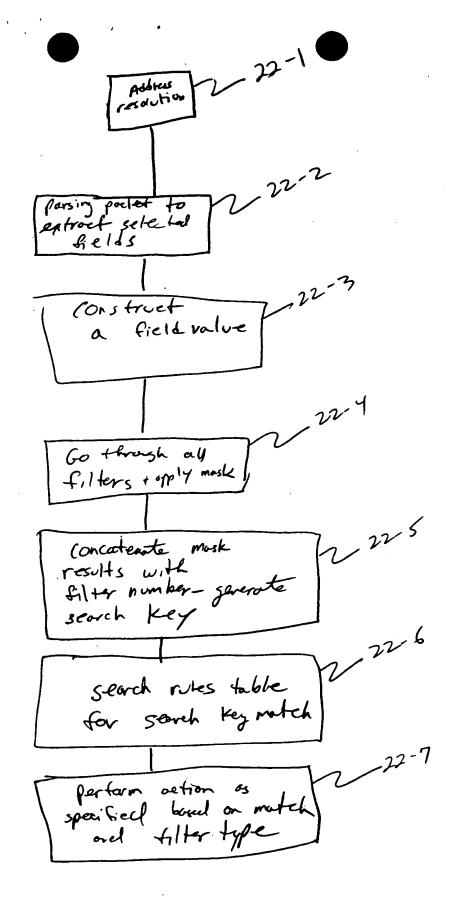


Fig. 22

122

Count er (5b)	Output Mod (5b)	Output Port (6b)	TOS_ P (3b)	Diff Services (6b)	802.1p Priority (3b)	Actio ns (11b)	Filter Select (3b)	Ingres s Port (6b)	Egrs Mod (5b)	Egrs Port (6b)	Filter Value (512 b)
-											

Fig. 23

0	9																
	28	26	24	22	20	18	16	14	12	10	8	6	4		2		0
					_	Sou	ırce IP	Addı	ess								
						Mult	icast I	P Ado	iress								
							L3 Po	rt Bit	nap								
						L3 1	Modul	le Bitr	nap								
				Un	used						TTI	,	S	our	ce l	o	t
											Thresh	old]
					Un	Unused	Mult L3	Multicast I L3 Po L3 Modu	Multicast IP Add L3 Port Bits L3 Module Bits	Source IP Address Multicast IP Address L3 Port Bitmap L3 Module Bitmap Unused	Multicast IP Address L3 Port Bitmap L3 Module Bitmap Unused	Multicast IP Address L3 Port Bitmap L3 Module Bitmap Unused TTI	Multicast IP Address L3 Port Bitmap L3 Module Bitmap	Multicast IP Address L3 Port Bitmap L3 Module Bitmap Unused TTL Se	Multicast IP Address L3 Port Bitmap L3 Module Bitmap Unused TTL Source	Multicast IP Address L3 Port Bitmap L3 Module Bitmap Unused TTL Source I	Multicast IP Address L3 Port Bitmap L3 Module Bitmap Unused TTL Source Por

Fig. 24

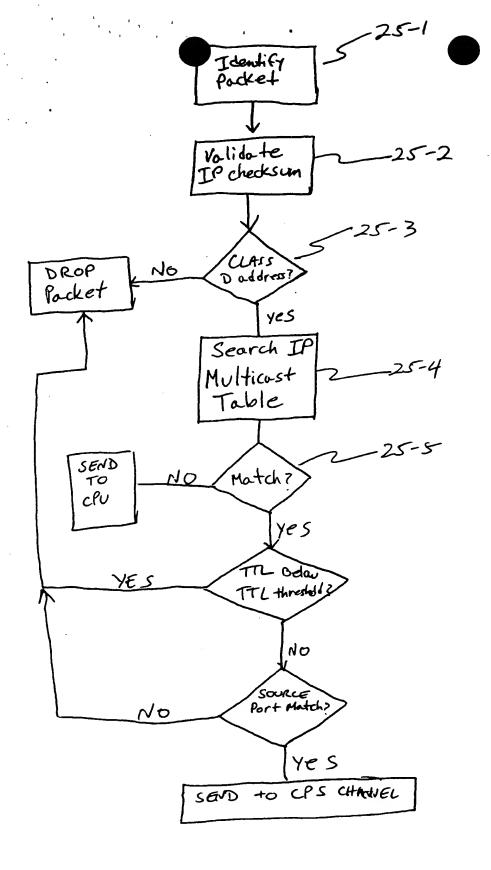
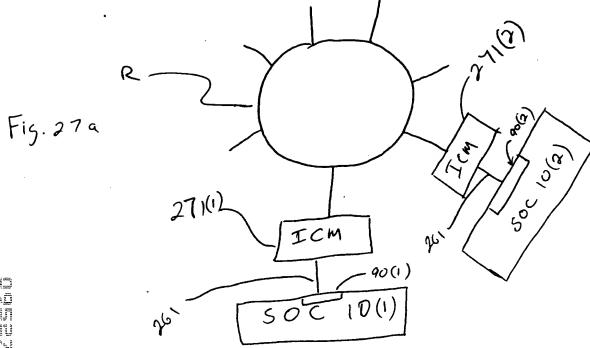
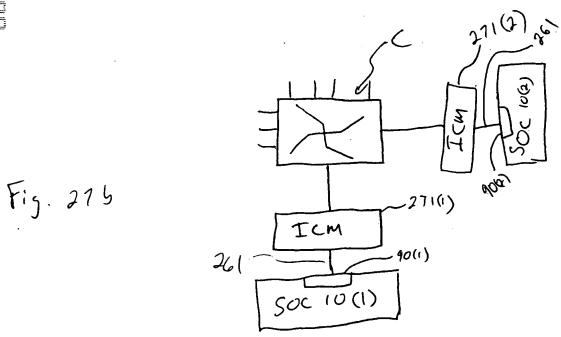


Fig. 25

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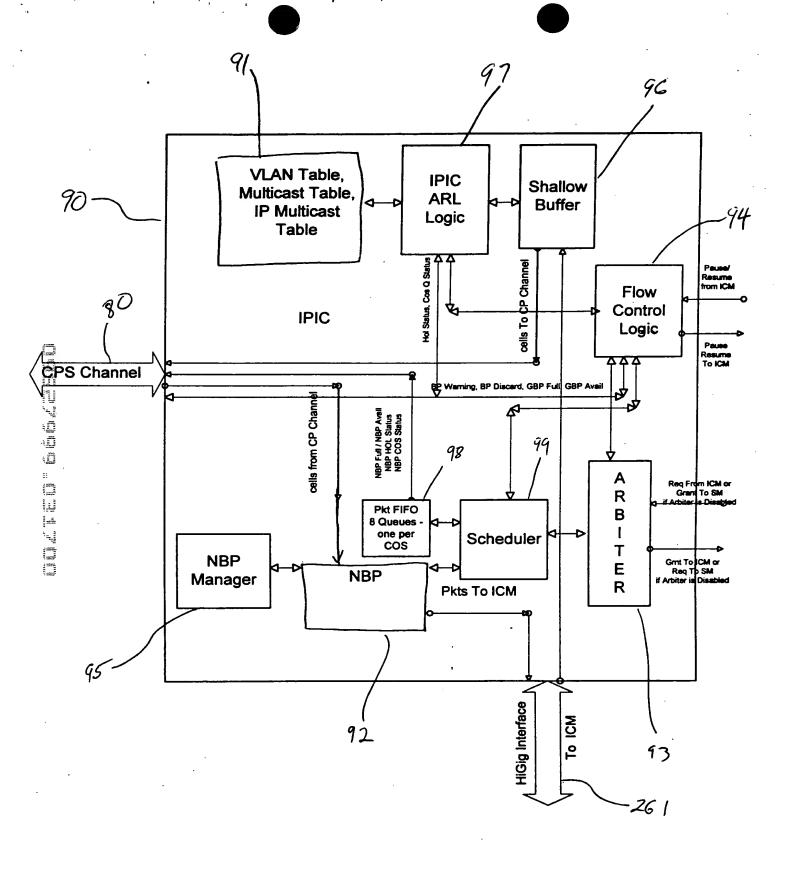
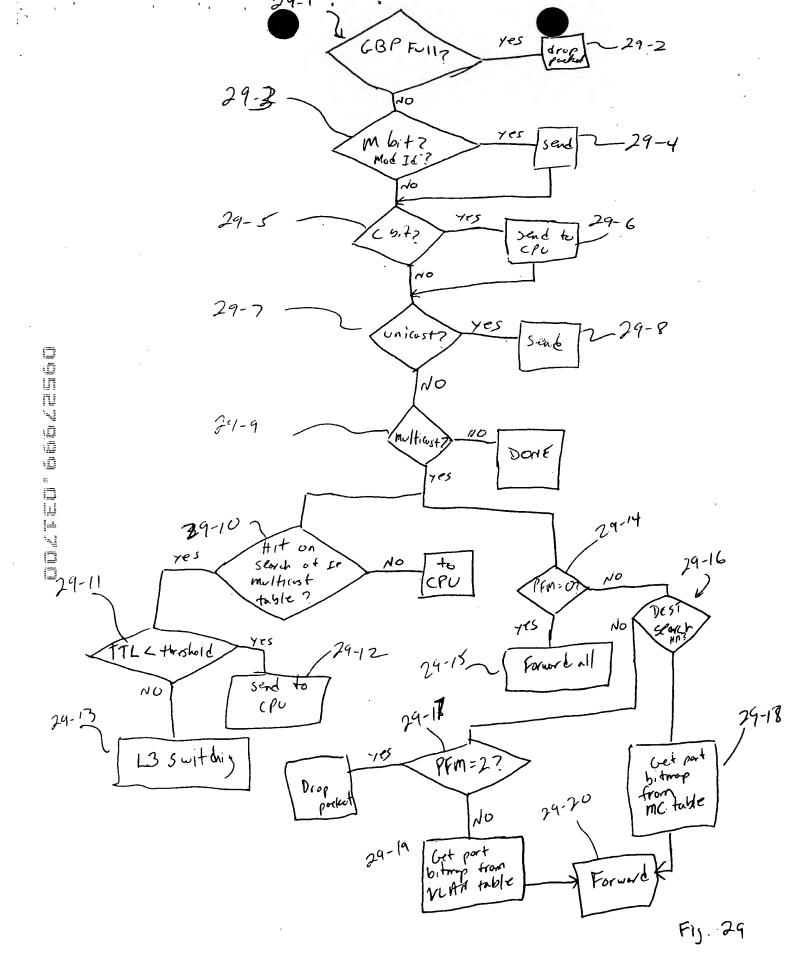


Fig 28.



Γ	COS	C	NCA	802.1p	Rate	Rate	Rate	New	New	New
	Queue	P	(2b)	Priority	Counter	Counter	Discard	Code	COS	802.1
Ì	(3b)	F		(3b)	(8b)	Threshold	Thresho	Point	Queue	Priority
						(8b)	ld (8b)	(6b)	(3b)	(3b)

FIGURE 30

Offset Field	Offset 1	Offset 2	Offset 3	Offset 4
000	0-15	16-31	32-47	48-63
001	8-23	24-39	40-55	56-71
010	16-31	32-47	48-63	64-79
011	24-39	40-55	56-71	72-87
100	32-47	48-63	64-79	80-95
101	40-55	56-71	72-87	88-103
110	48-63	64-79	80-95	96-111
111	56-71	72-87	88-103	104-119

Figure 31

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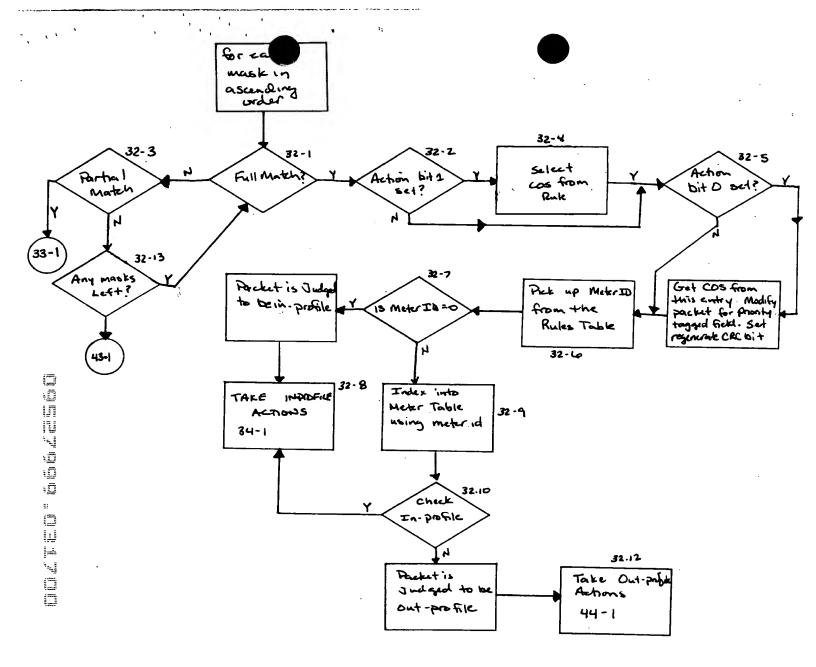
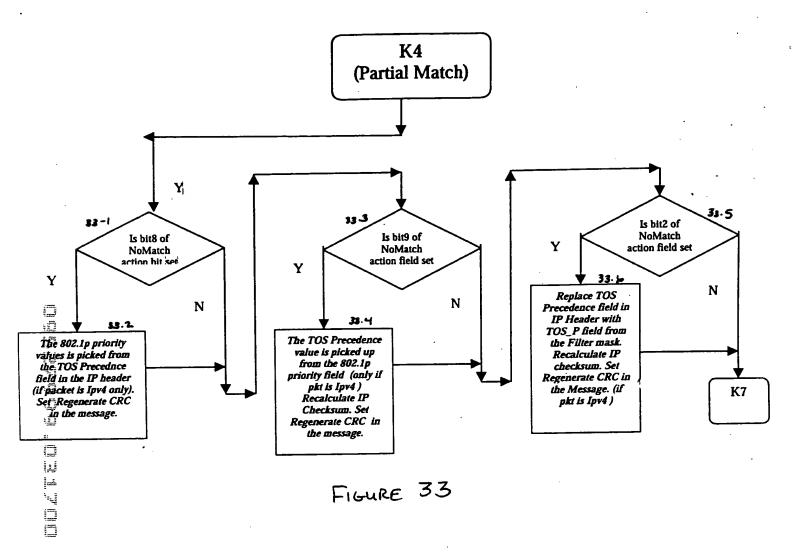


FIGURE 32



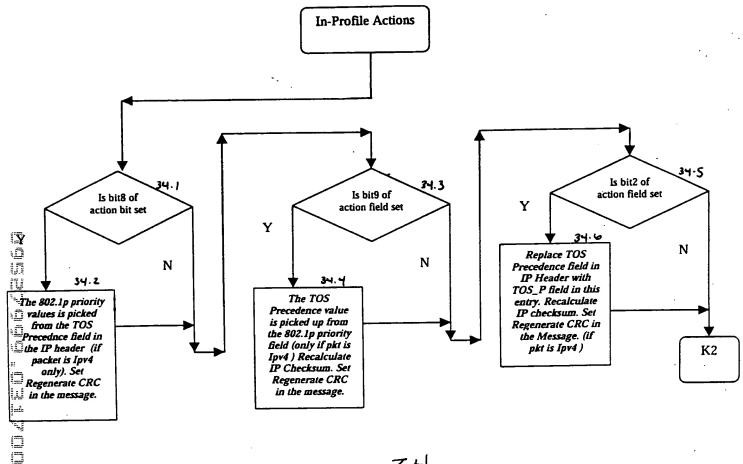
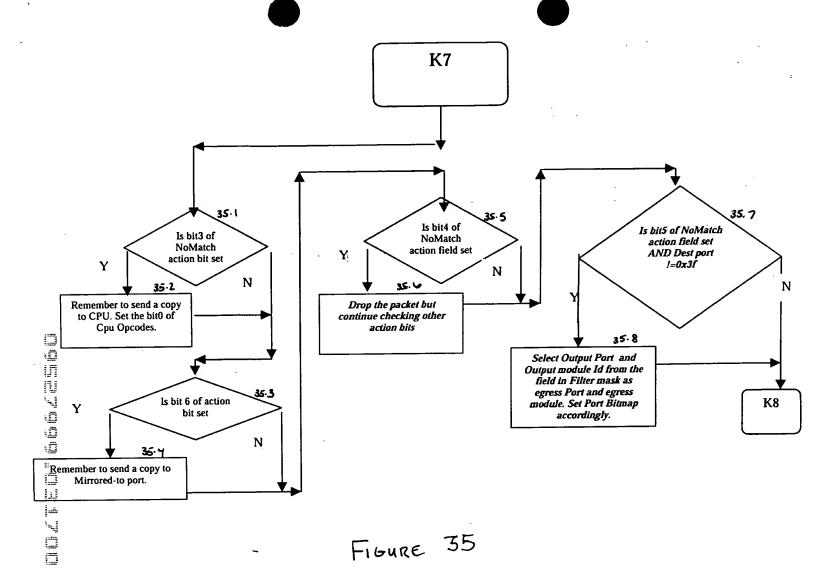


FIGURE 34



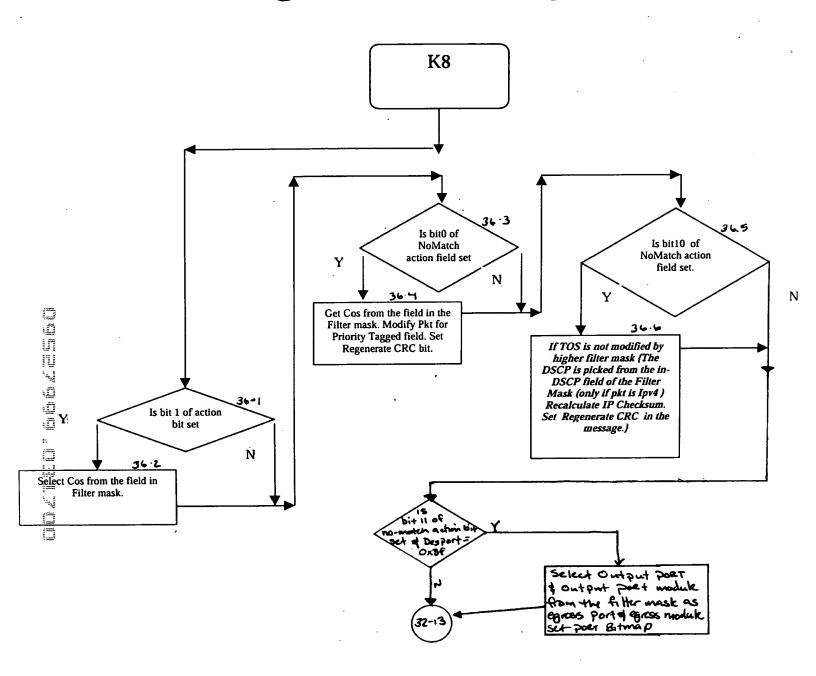
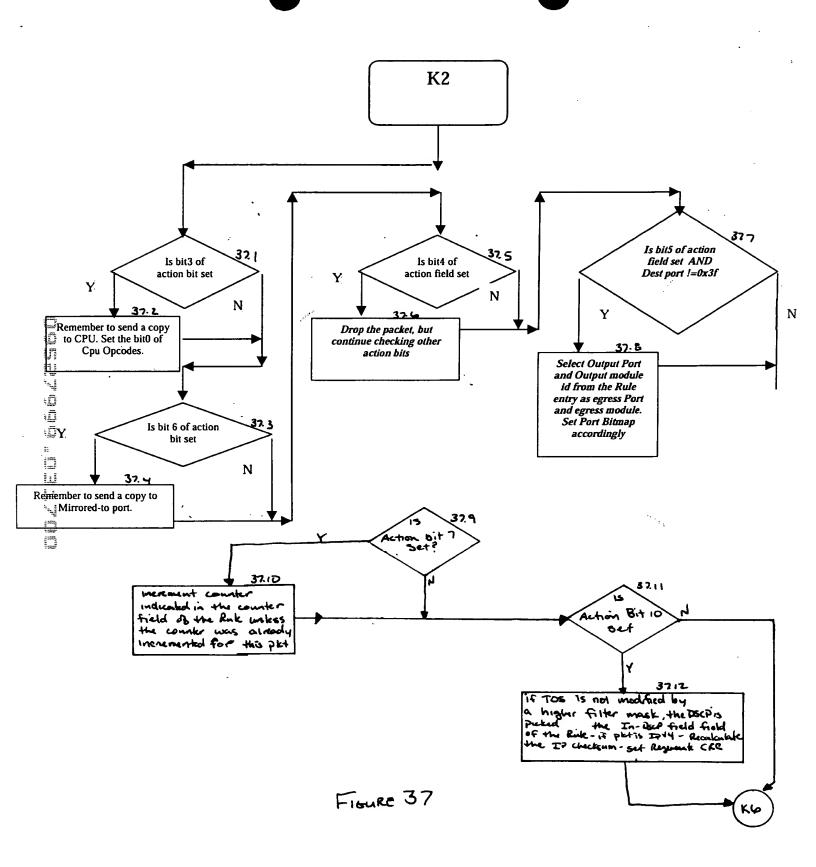


FIGURE 36

E3-.



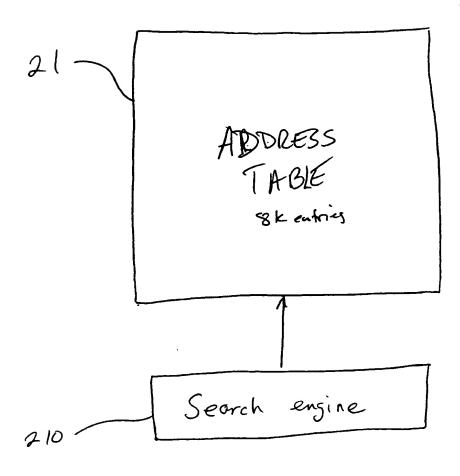


Fig 38

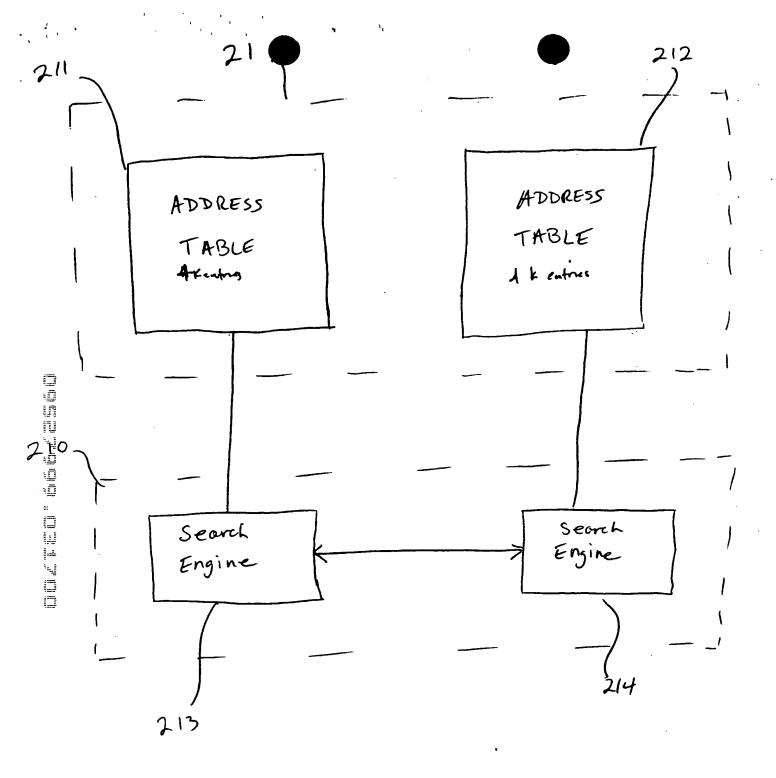


Fig. 39

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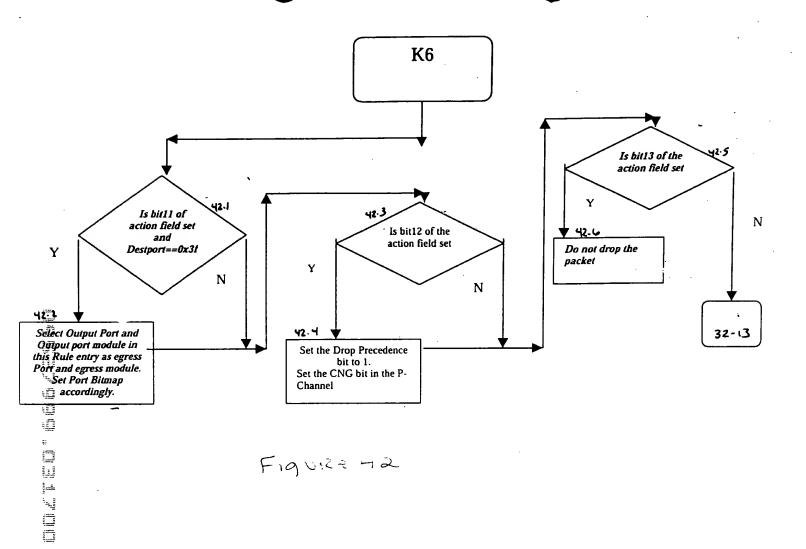
211 Figure 400 212 entry entry address address address entry 31 AF AF AE 31 30 29 28 27 26 25 24 23 22 21 20 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 30 AE AA Y W U S Q O A K AD 28 29 27 25 23 21 19 17 15 13 11 9 7 5 26 24 BUX>FEDZIJHED ACBA NYXWVUTSROPON 22 20 18 16 14 12 10 8 G E C A M Fig 406 HGFEDCBA

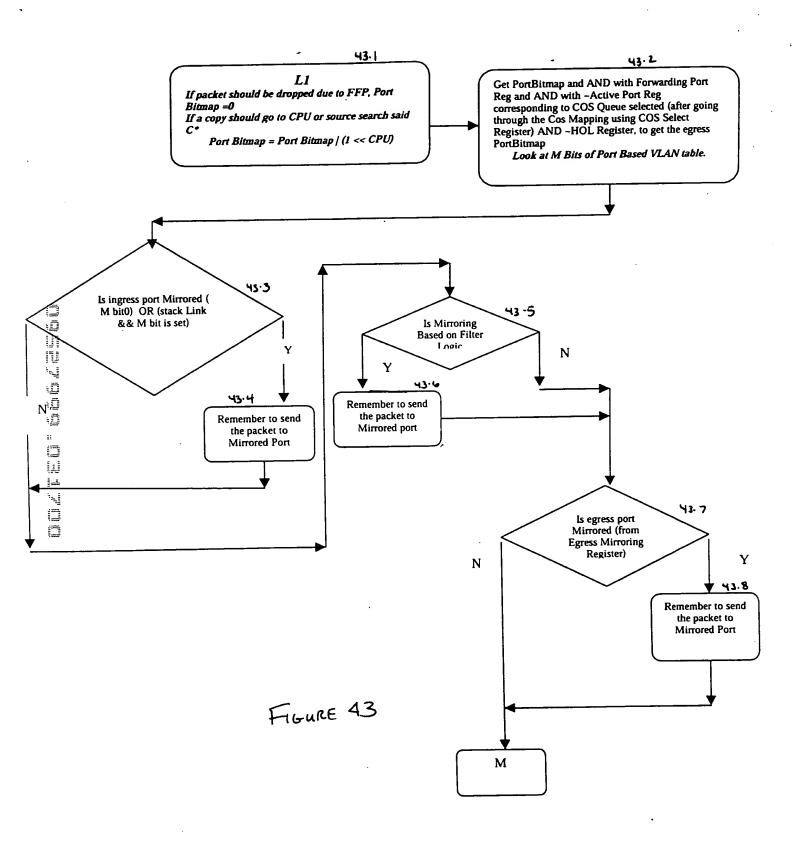
.:.~

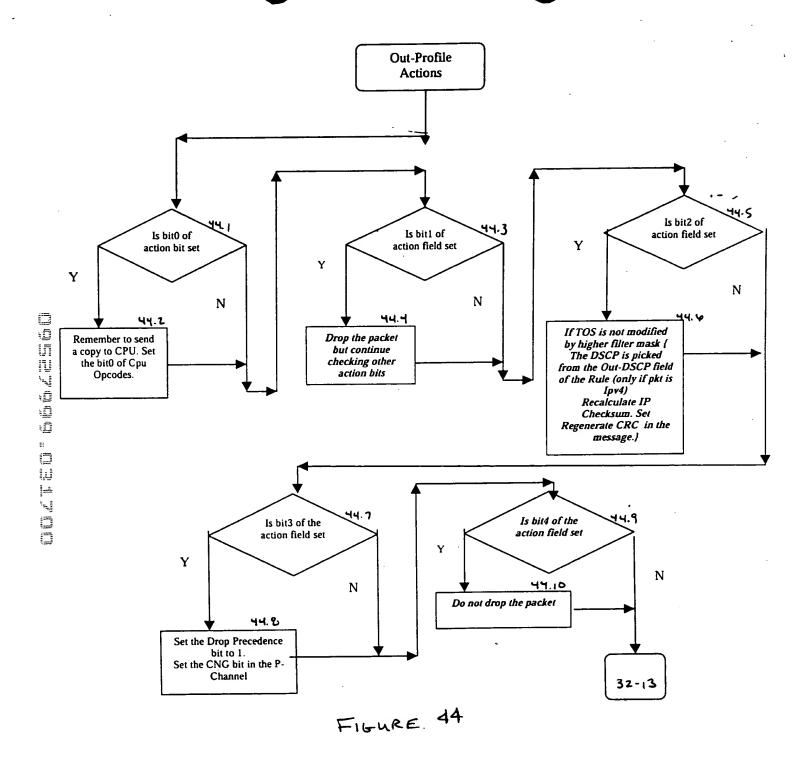
_		
\$	address	entry
	31	NN
	30	MM
21	29	ய
	28	KK
	31 30 29 28 27 26	IJ
	26	GH
	25	CF
	24	cc
	23	BE
	22	BD
	21	ВС
	20	ВА
المستعرب المستعرب	19	AC
	18	AB
J	17	AA
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		211	-		1212
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		KK		29	ᄔ
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ı	24	GH CC		25	CF
-	22	BD		23	BE
	28 26 24 22 20 18	BD BA AB		21	T 3 F B B S S X F R Z
	18	AB		19	AC
	16	Y		17	AA
	14 12	V		15	×
	12	s		13	T
	10	Q		11	R
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	4	G		7 5 3	J
	2	V % Q M K G D B			D E C
	o	В		1	C

Fig 414







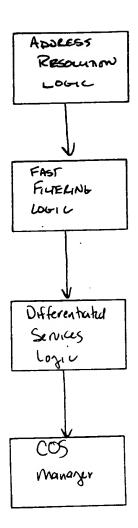


FIGURE 45

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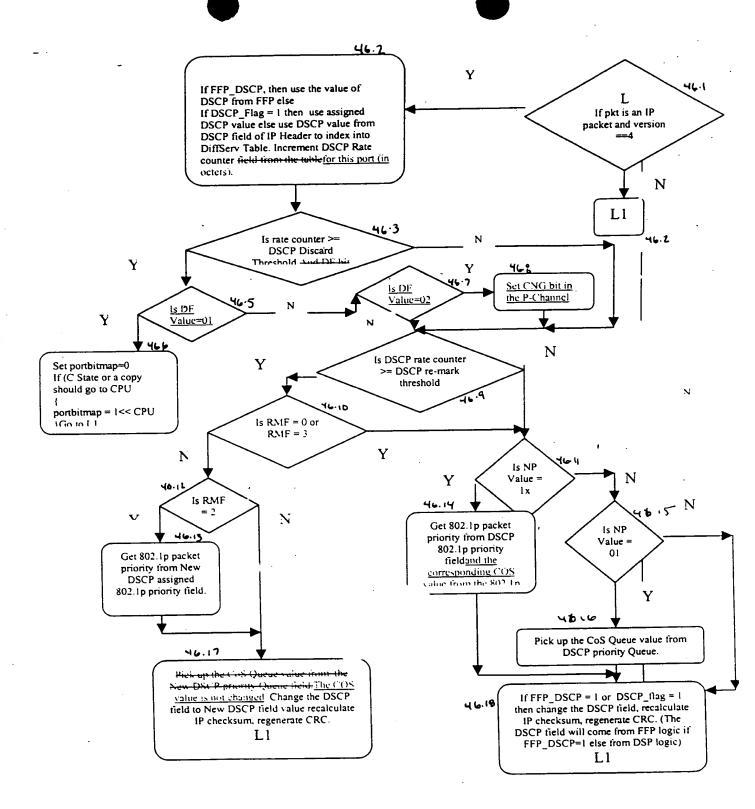


FIGURE 46

